

AMENDMENTS TO THE CLAIMS

1. (Currently Amended). A blood processing system comprising

first, second, and third storage containers,

a first in-line filter including a fibrous filter media sized to remove leukocytes by depth filtration,

a second in-line filter including a membrane filter media sized to remove red blood cells, platelets, and leukocytes by exclusion,

a unit of red blood cells contained within [a] the first storage container, the unit of red blood cells having been filtered by passage through the first in-line filter to receive blood for centrifugal processing into a first component and a second component comprising so that the unit of red blood cells is essentially free of leukocytes,

a unit of cell-free platelet poor plasma contained within [, a] the second storage container , to receive the second component from the first container, and a the unit of cell-free platelet poor plasma having been filtered by passage through the second in-line filter to remove red blood cells and platelets from the second component, so that the second component unit of cell-free platelet poor plasma is essentially free of red blood cells and platelets and leukocytes, and

a unit of platelets contained within the third storage container.

2 - 19. (Canceled).